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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Administration
Bureau of Agricultural and Industrial Chemistry

1942-43 ANNUAL

NAVAL STORES REPORT

on

Production, Distribution, Consumption and Stocks

of

TURPENTINE AND ROSIN

of the

UNITED STATES

By Crop Years

Issued May 24, 1943.

Compiled by

M. C. Lawrence

Naval Stores Research Division

FOREWORD

This is the ninth of the series of annual reports by the U. S. Department of Agriculture giving production, consumption, and stocks of naval stores. The period covered by the annual reports is that of the naval stores season -- April 1 - March 31. Semi-annual reports, covering the six-month period April 1 - September 30, Quarterly reports covering the First and Fourth Quarters of the Naval Stores Season, and a Monthly Survey of Naval Stores Stocks are also issued. These reports are issued under Federal Act 278, providing for the publication of statistics relating to spirits of turpentine and rosin.

Carryover (stocks) of turpentine and rosin is separated into gum and wood products. Stocks of wood rosin do not include so-called "B wood rosin." While sulphate wood turpentine is carried in the regular production and carryover tables, data on "liquid rosin" or "tall oil" are in a table separate from gum and wood rosins. Pending the selection of a proper term, we continue to refer to the mixture of resin and fatty acids recovered from the acidulated soap curds obtained in the production of sulphate pulp as "liquid rosin." The term "sulphate wood rosin" refers to the resin acids constituting approximately 42 percent of "liquid rosin."

The data on production, consumption and stocks are expressed in commercial units: For turpentine -- barrels of 50 gage gallons; and for rosin -- barrels of approximately 500 pounds gross weight. A unit of naval stores consists of one barrel of turpentine and three and one-third barrels of rosin. Carryover figures do not include gum turpentine producible from crude gum on hand.

Statistics on exports and imports of turpentine and rosin are not included in this issue.

These reports are designed to be of use to the industry -- producer, factor, distributor and consumer. Every effort is made to obtain complete and accurate information but the completeness, accuracy and promptness of issue depend upon the cooperation of those reporting. In accepting the statistics given in this report, as well as those in previous reports, it should be borne in mind that the Bureau of Agricultural and Industrial Chemistry merely assembles the figures from the individual reports received and is not responsible for their accuracy.

The Bureau of Agricultural and Industrial Chemistry extends its thanks to those producers, factors, distributors and consumers who have so kindly cooperated in furnishing the requested information.

SUMMARY OF TURPENTINE

SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. 50 gals.)
(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

	<u>1942-43</u> 12 mos. (Apr. - Mar.)		<u>1941-42</u> 12 mos. (Apr. - Mar.)
<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>

TABLE 1a - SUPPLY AND DISTRIBUTION

U. S. Carryover April 1 1/	156,369	86,448	69,921	209,910	146,735	63,175
Production 2/	559,798	321,930	237,868	548,796	285,050	263,746
Imports	- not available -			- not available -		
Available Supply	716,167	408,378	307,789	758,706	431,785	326,921
Less Carryover March 31 1/	<u>288,213</u>	<u>213,285</u>	<u>74,928</u>	<u>156,369</u>	<u>86,448</u>	<u>69,921</u>
Appar. Total Consumption	427,954	195,093	232,861	602,337	345,337	257,000
Less Exports	- not available -			- not available -		
Appar. U. S. Consumption	- not available -			- not available -		

TABLE 2a - CARRYOVER (Stocks)

U. S. Carryover April 1 -	156,369	86,448	69,921	209,910	146,735	63,175
U. S. Carryover March 31 -	<u>288,213</u>	<u>213,285</u>	<u>74,928</u>	<u>156,369</u>	<u>86,448</u>	<u>69,921</u>
Increase	131,844	126,837	5,007	---	---	6,746
Decrease	---	---	---	53,541	60,287	---

1/ Tables 3a and 4a

2/ Table 5a

SUMMARY OF ROSIN

SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. 500 lbs. gross)
(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

	<u>1942-43</u> <u>12 mos. (Apr. - Mar.)</u>		<u>1941-42</u> <u>12 mos. (Apr. - Mar.)</u>
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>U. S. Carryover</u>			
April 1 ^{1/}	1,434,677	1,230,817	203,860
Production ^{2/}	2,069,754	1,085,873	983,881
Imports	<u>- not available -</u>	<u>- not available -</u>	<u>- not available -</u>
Available Supply	3,504,431	2,316,690	1,187,741
Less Carryover			
March 31	<u>1,605,286</u>	<u>1,324,796</u>	<u>280,490</u>
Appar. Total Consumption	1,899,145	991,894	907,251
Less Exports	<u>- not available -</u>	<u>- not available -</u>	<u>- not available -</u>
Appar. U. S. Consumption	<u>- not available -</u>	<u>- not available -</u>	<u>- not available -</u>

TABLE 1b - SUPPLY AND DISTRIBUTION

	<u>1942-43</u> <u>12 mos. (Apr. - Mar.)</u>		<u>1941-42</u> <u>12 mos. (Apr. - Mar.)</u>
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>U. S. Carryover</u>			
April 1 ^{1/}	1,434,677	1,230,817	203,860
Production ^{2/}	2,069,754	1,085,873	983,881
Imports	<u>- not available -</u>	<u>- not available -</u>	<u>- not available -</u>
Available Supply	3,504,431	2,316,690	1,187,741
Less Carryover			
March 31	<u>1,605,286</u>	<u>1,324,796</u>	<u>280,490</u>
Appar. Total Consumption	1,899,145	991,894	907,251
Less Exports	<u>- not available -</u>	<u>- not available -</u>	<u>- not available -</u>
Appar. U. S. Consumption	<u>- not available -</u>	<u>- not available -</u>	<u>- not available -</u>

TABLE 2b - CARRYOVER (Stocks)

	<u>1942-43</u> <u>12 mos. (Apr. - Mar.)</u>		<u>1941-42</u> <u>12 mos. (Apr. - Mar.)</u>
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>U. S. Carryover</u>			
April 1	1,434,677	1,230,817	203,860
U. S. Carryover			
March 31	<u>1,605,286</u>	<u>1,324,796</u>	<u>280,490</u>
Increase	170,609	93,979	76,630
Decrease	---	---	---

1/ Tables 3b and 4b.

2/ Table 5b. Includes reclaimed rosin.

DETAILS AND SUMMARY OF TURPENTINE CARRYOVER (Bbls. 50 gals.)
 (At close of naval stores season on March 31)

1943
 Mar. 31

1942
 Mar. 31

Total

Gum

Wood

Total

Gum

Wood

TABLE 3a - DETAILS OF TURPENTINE CARRYOVER

Production Points

Gum Stills ^{1/}	33,118	33,118	—	13,894	13,894	—
Wood Plants ^{1/}						
Steam Dist. ^{2/}	33,498	—	33,498	31,521	—	31,521
Sulphate	11,526	—	11,526	6,167	—	6,167
Dest. Dist.	251	—	251	399	—	399
Total	78,393	33,118	45,275	51,981	13,894	38,087

So. Concent. Points

Ports ^{2/}	61,691	61,691	—	20,251	20,251	—
Interior Yards	90,979	90,979	—	18,944	18,944	—
Total	152,670	152,670	—	39,195	39,195	—

Distrib. Points

Eastern	14,001	4,833	9,168	13,780	6,604	7,176
Central	22,776	13,480	9,296	26,665	14,887	11,773
Western	6,217	3,628	2,589	6,724	3,648	3,076
Total ^{4/}	42,994	21,941	21,053	47,164	25,139	22,025

Industrial Plants ^{5/}

14,156	5,556	8,600	18,029	8,220	9,809
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TABLE 4a - SUMMARY OF TURPENTINE CARRYOVER

Production Points	78,393	33,118	45,275	51,981	13,894	38,087
So. Concent. Points	152,670	152,670	—	39,195	39,195	—
Distrib. Points	42,994	21,941	21,053	47,164	25,139	22,025
Industrial Plants	14,156	5,556	8,600	18,029	8,220	9,809
Total in U. S.	288,213	213,285	74,928	156,369	86,448	69,921

^{1/} Compiled from reports by producers and factors.

^{2/} Does not include by-products resulting from making paler grades from FF wood rosin.

^{3/} Official Board of Trade and Chamber of Commerce Reports.

^{4/} Compiled from reports of individual distributors.

^{5/} Compiled from reports of individual consumers.

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DETAILS AND SUMMARY OF ROSIN CARRYOVER (Bbls. 500 lbs. gross)
(At close of Mar. 31)

	<u>1943</u> <u>Mar. 31</u>			<u>1942</u> <u>Mar. 31</u>		
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 3b - DETAILS OF ROSIN CARRYOVER (Stocks)

<u>Production Points</u>						
Gum Stills <u>1/</u>	112,247	112,247	—	68,787	68,787	—
Wood Plants <u>1/</u>						
Steam Dist. <u>2/</u>	169,689	—	169,689	80,309	—	80,309
Sulphate	—	—	—	—	—	—
Dest. Dist.	---	---	---	---	---	---
Total	<u>281,936</u>	<u>112,247</u>	<u>169,689</u>	<u>149,096</u>	<u>68,787</u>	<u>80,309</u>
<u>So. Concent. Points</u>						
Ports <u>3/</u>	359,460	359,460	—	379,166	379,166	—
Interior Yards	<u>590,065</u>	<u>590,065</u>	—	<u>506,408</u>	<u>506,408</u>	—
Total	<u>949,525</u>	<u>949,525</u>	—	<u>885,574</u>	<u>885,574</u>	—
<u>Distrib. Points</u>						
Eastern	9,341	5,305	4,036	11,981	6,061	5,920
Central	8,664	4,646	4,018	9,088	4,641	4,447
Western	<u>1,647</u>	<u>180</u>	<u>1,467</u>	<u>1,713</u>	<u>751</u>	<u>962</u>
Total <u>4/</u>	<u>19,652</u>	<u>10,131</u>	<u>9,521</u>	<u>22,782</u>	<u>11,453</u>	<u>11,329</u>
<u>Industrial Plants</u> <u>5/</u>	354,173	252,893	101,280	377,225	265,003	112,222

TABLE 4b - SUMMARY OF ROSIN CARRYOVER (Stocks)

Production points	281,936	112,247	169,689	149,096	68,787	80,309
So. concent. points	949,525	949,525	—	885,574	885,574	—
Distrib. points	19,652	10,131	9,521	22,782	11,453	11,329
Industrial plants	<u>354,173</u>	<u>252,893</u>	<u>101,280</u>	<u>377,225</u>	<u>265,003</u>	<u>112,222</u>
Total in U. S.	<u>1,605,286</u>	<u>1,324,796</u>	<u>280,490</u>	<u>1,434,677</u>	<u>1,230,817</u>	<u>203,860</u>

1/ Compiled from reports by producers and factors.

2/ Does not include by-products resulting from making paler grades from FF wood rosin.

3/ Official Board of Trade and Chamber of Commerce Reports.

4/ Compiled from reports of individual distributors.

5/ Compiled from reports of individual consumers.

DETAILS OF PRODUCTION

(By naval Stores seasons, beginning Apr. 1 and ending Mar. 31.)

	<u>1942-43</u> <u>12 mos. (Apr. - Mar.)</u>		<u>1941-42</u> <u>12 mos. (Apr. - Mar.)</u>
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 5a - PRODUCTION OF TURPENTINE (Bbls. 50 gals.)

Gum	321,930	321,930	—	285,050	285,050	—
Wood						
Steam Dist.	148,166	—	148,166	190,048	—	190,048
Sulphate	83,931	—	83,931	64,986	—	64,986
Dest. Dist.	5,771	—	5,771	8,712	—	8,712
Total	559,798	321,930	237,868	548,796	285,050	263,746

TABLE 5b - PRODUCTION OF ROSIN (Bbls. 500 lbs. gross)

Gum	1,071,752	1,071,752	—	964,932	964,932	—
Reclaimed gum	14,121	14,121	—	24,706	24,706	—
Wood						
Steam Dist.	983,881	—	983,881	1,145,955	—	1,145,955
Sulphate	—	—	—	—	—	—
Dest. Dist.	—	—	—	—	—	—
Total	2,069,754	1,085,873	983,881	2,135,593	989,638	1,145,955

TABLE 5c - PRODUCTION OF "SULPHATE WOOD ROSIN (TALL OIL)"

<u>1942-43</u> <u>Apr. - Mar.</u>	<u>1941-42</u> <u>Apr. - Mar.</u>
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95,562 tons black liquor soap
reported produced; to
be further processed.

26,887 tons liquid rosin
were produced

TABLE 6 - PRODUCTION OF GUM TURPENTINE BY STATES

	<u>1942-43</u>		<u>1941-42</u>	
	<u>Barrels</u>	<u>Percentage</u>	<u>Barrels</u>	<u>Percentage</u>
South Carolina	3,969	1.24	3,601	1.26
Georgia	223,393	69.40	189,532	66.49
Florida	69,018	21.44	67,322	23.62
Alabama	20,014	6.21	17,697	6.21
Mississippi	4,520	1.40	5,309	1.86
Louisiana	<u>1,016</u>	<u>.31</u>	<u>1,589</u>	<u>.56</u>
Total	321,930	100.00	285,050	100.00

TABLE 7 - MISCELLANEOUS NAVAL STORES (Bbls. 50 gals.)

	<u>Production 1942-43</u> 12 mos. (Apr. - Mar.)	<u>Carryover (Stocks)</u> March 31, 1943.
Pine oil	120,001	18,829
Pine tar	104,922	2,554
Dipentene	24,547	18,456
Monocyclic hydro- carbons (other than turpentine)	35,936	10,658

TABLE 8a - REPORTED CONSUMPTION OF TURPENTINE IN UNITED STATES (Bbls. - 50 gal.)
(By naval stores seasons beginning April 1 and ending the following March 31)

	1942-43 (Apr. - Mar.)			1941-42 (Apr. - Mar.)		
	Total	Gum ^{1/}	Wood ^{1/}	Total	Gum ^{1/}	Wood ^{1/}
Abattoirs	0			0		
Adhesives & plastics	591			343		
Asphaltic products	0			0		
Automobiles & wagons	355			455		
Chemicals & pharmaceuticals	98,593			55,625		
Ester gum & synthetic resins	358			0		
Foundries & f'dry supplies	1,012			1,055		
Furniture	345			476		
Insecticides & disinfectants	192			354		
Linoleum & floor covering	32			52		
Matches	0			0		
Oils & greases	27			49		
Paint, varnish & lacquer	28,326			63,489		
Paper & paper size	0			0		
Printing ink	201			237		
Railroads & shipyards	8,772			7,865		
Rubber	106			182		
Shoe polish & shoe materials	10,322			15,470		
Soap	0			0		
Other industries	192			317		
Total industrial reported	149,426	43,212	106,214	146,329	87,580	58,749

Not accounted for ^{2/} - not available - - not available -
Apparent U. S. Consumption ^{3/} - not available - - not available -

1/ Separation of gum and wood turpentine consumption is limited to the total reported

2/ Principally unreported distribution of turpentine through retailers who sell in small quantities to ultimate consumers.

3/ From Table 1a, page 1.

TABLE 8b - REPORTED CONSUMPTION OF ROSIN IN UNITED STATES (Bbls. - 500 lbs.)
(By naval stores seasons beginning April 1 and ending the following March 31)

	<u>1942-43</u> (Apr. - Mar.)		<u>1941-42</u> (Apr. - Mar.)			
	<u>Total</u>	<u>Gum 1/</u>	<u>Wood 1/</u>	<u>Total</u>	<u>Gum 1/</u>	<u>Wood 1/</u>
Abattoirs	441			1,020		
Adhesives & plastics	17,195			23,009		
Asphaltic products	3,014			4,584		
Automobiles & wagons	79			585		
Chemicals & pharmaceuticals	258,765			251,251		
Ester gum & synthetic resins	185,329			270,477		
Foundries & Foundry supplies	11,553			26,580		
Furniture	8			134		
Insecticides & disinfectants	5,704			5,669		
Linoleum & floor covering	40,931			51,511		
Matches	1,250			1,792		
Oils & greases	63,672			41,031		
Paint, varnish & lacquer	164,119			217,747		
Paper & paper size	367,021			443,944		
Printing ink	19,217			16,154		
Railroads & shipyards	6,823			6,410		
Rubber	6,602			7,076		
Shoe polish & shoe materials	9,509			12,151		
Soap	238,658			251,368		
Other industries	<u>11,192</u>	—	—	<u>6,100</u>	—	—
Total industrial reported	1,411,082	691,914	719,168	1,638,653	969,380	669,273

Not accounted for ^{2/} - not available - - not available -
Apparent U. S. Consumption ^{3/} - not available - - not available -

^{1/} Separation of gum and wood consumption is limited to the total reported.
^{2/} Principally unreported industrial consumption of rosin and rosin for distribution through retailers who sell in small quantities to ultimate consumers.
^{3/} From Table 1b, page 2.

TABLE 9 - WEIGHTED/ AVERAGE MONTHLY AND SEASON PRICES OF GUM SPIRITS OF TURPENTINE - 1921-22 to 1942-43²

(Based upon Wednesdays and Saturdays closing Savannah Prices)²

Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
													Cents per Gallon
1921-22	53.17	61.83	52.62	53.06	56.55	65.15	69.04	73.44	74.14	83.86	86.07	80.92	62.62
1922-23	79.50	86.07	106.54	113.07	110.61	123.31	125.94	151.25	130.71	145.87	147.53	119.82	
1923-24	114.53	105.48	94.74	88.73	88.83	91.61	83.86	88.50	86.36	94.88	95.37	95.72	95.22
1924-25	91.82	83.49	77.63	77.66	82.99	82.28	81.43	79.24	77.64	86.40	87.95	86.00	81.30
1925-26	87.39	97.39	92.43	90.08	95.29	106.25	105.56	104.79	93.77	99.72	92.69	93.81	96.66
1926-27	89.86	79.67	80.14	82.07	89.31	86.00	84.75	82.69	80.35	76.07	68.00	67.38	82.62
1927-28	60.61	56.41	51.24	50.64	52.31	49.22	46.71	44.36	49.49	55.03	54.94	54.82	51.38
1928-29	52.06	47.87	50.87	49.83	47.58	46.40	48.18	54.22	55.50	56.47	53.16	52.42	50.54
1929-30	48.78	48.90	46.83	47.11	46.68	49.74	50.82	47.85	48.13	49.42	50.12	50.67	48.28
1930-31	48.42	43.51	41.33	37.56	35.32	38.26	35.60	37.03	36.14	38.11	39.97	47.81	39.34
1931-32	50.44	49.42	50.69	39.77	31.40	31.88	31.17	25.21	33.83	34.68	34.84	40.06	40.10
1932-33	39.50	39.44	38.64	35.94	37.68	41.09	40.86	39.71	37.04	39.88	39.75	39.46	38.82
1933-34	37.88	42.47	40.39	46.39	42.83	41.97	40.81	42.14	42.07	47.44	57.00	55.00	42.72
1934-35	53.66	50.81	46.44	42.82	41.83	41.19	46.59	48.00	46.46	49.59	50.53	49.71	45.64
1935-36	47.37	47.07	44.46	42.40	38.47	40.91	45.76	44.92	43.96	45.19	44.44	39.31	43.56
1936-37	37.43	36.26	35.86	36.44	38.73	37.19	36.33	38.25	41.59	43.13	41.84	39.01	37.48
1937-38	35.97	35.83	34.07	33.44	31.94	29.93	27.28	26.92	26.14	28.18	26.47	25.42	31.36
1938-39	23.18	22.69	22.56	23.24	22.53	20.92	22.81	22.32	22.31	24.78	25.56	28.42	22.61
1939-40	24.96	23.93	24.00	24.11	23.72	26.11	27.16	25.72	27.00	30.17	32.91	31.67	25.31
1940-41	28.78	27.65	26.25	26.69 ⁴ /	28.69	30.80	34.99	38.37	37.11	42.05	38.78	39.25	30.03
1941-42	42.11	43.00	42.17	48.28	67.83	74.84	78.08	75.61	73.44	75.89	75.19	73.08	63.85
1942-43	65.47	61.22	62.12	64.30	61.06	66.28	70.08	69.81	69.50	69.59	69.09	69.69	66.52

1/ Due to lack of information to complete this table, only simple averages are given for 1941-42 and 1942-43.

2/ The monthly prices were obtained by averaging the Wednesday and Saturday closing prices. The season average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville and Pensacola and dividing the total of these figures for the season by the total receipts for that season, thereby giving the months of heavy receipts and of low receipts their proper relative value.

3/ Wednesdays and Fridays closing Savannah prices were used for December, January and February, for 1936-37 and 1937-38. Fridays prices were used for 1938-39, 1939-40, 1940-41, 1941-42 and 1942-43 when there was no quoted Saturday market.

4/ To complete the table, beginning July 1, 1940, 6 cents per gallon has been added to the Savannah prices. Sources of data: Prices, Florida inspections and monthly receipts at Savannah, Jacksonville and Pensacola are taken from the NAVAL STORES REVIEW AND JOURNAL OF TRADE, DAILY MARKET REPORTS OF THE SAVANNAH EXCHANGE, JACKSONVILLE AND PENSACOLA CHAMBERS OF COMMERCE, Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

TABLE 10 - WEIGHTED¹ AVERAGE MONTHLY AND SEASON PRICES OF GUM ROSIN (280-lb. bbls.) - 1921-22 to 1942-43²
 (Based upon Wednesdays and Saturdays closing Savannah Prices)

Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Average
						In dollars per barrel of 280 pounds							
1921-22	4.00	4.12	5.09	5.23	5.25	5.52	5.75	5.48	5.14	5.07	5.15	4.22	4.10
1922-23	4.35	4.79	4.82	4.78	4.66	4.62	4.57	4.44	4.30	4.38	4.69	5.17	5.20
1923-24	4.96	4.33	4.88	4.71	4.94	5.20	5.99	6.46	6.49	7.19	7.28	4.74	4.67
1924-25	4.81	4.72	8.73	9.15	10.22	13.02	14.33	14.22	13.05	12.09	13.34	7.24	5.61
1925-26	7.52	9.01	10.42	12.18	13.09	12.53	13.92	12.32	11.64	11.98	11.98	12.66	11.11
1926-27	11.65	9.11	8.46	8.32	8.96	8.47	7.64	6.87	7.64	8.61	8.38	10.42	12.20
1927-28	9.77	7.68	8.24	8.53	8.32	8.06	8.20	8.53	8.57	8.57	8.36	8.08	8.29
1928-29	8.31	7.39	7.31	7.49	7.14	7.87	8.16	7.62	7.34	7.48	7.45	7.22	7.54
1929-30	7.50	6.85	6.16	5.65	4.78	4.42	4.77	4.37	4.45	4.46	4.52	4.95	5.02
1930-31	4.96	5.01	5.26	3.95	3.12	3.04	2.95	3.27	3.10	3.10	3.18	3.67	3.89
1931-32	4.96	2.98	2.91	2.74	2.54	2.32	2.23	2.07	2.94	2.92	2.98	2.90	2.83
1932-33	2.95	3.54	3.53	4.09	3.83	3.91	3.86	3.92	3.90	4.24	5.04	5.06	3.83
1933-34	2.95	4.87	4.55	4.30	4.37	4.43	4.52	4.45	4.48	4.73	4.86	4.79	4.55
1934-35	5.09	4.67	4.72	4.58	4.44	4.12	4.38	4.81	4.71	4.55	4.60	4.57	4.60
1935-36	4.38	4.32	4.70	5.42	6.68	6.00	6.23	7.26	9.28	10.20	9.76	8.97	6.42
1936-37	4.38	8.07	8.30	8.15	8.00	7.98	8.03	7.35	6.21	5.55	5.92	5.38	7.35
1937-38	4.87	4.67	4.81	5.15	4.98	4.72	5.28	5.64	5.09	5.12	5.29	5.79	5.02
1938-39	5.22	5.19	5.34	5.49	5.34	5.66	5.73	5.54	5.39	5.76	5.51	5.59	5.44
1939-40	5.20	4.58	4.62	5.24	5.87	6.03	5.93	6.37	7.10	7.89	8.10	7.82	6.19
1940-41	4.69	6.65	6.73	7.12	6.75	7.65	8.02	8.04	8.00	8.22	8.16	8.63	7.59

Note: Rosin Grades included in average prices follow:--X, VN, VG, N, M, K, I, H, G, F, E, D, B.

1/ Due to lack of information to complete this table, only simple averages are given for 1941-42 and 1942-43.
 2/ The monthly prices were obtained by multiplying the average of the Wednesday and Saturday prices of each grade

by the number of barrels of each grade reported as inspected in Florida during that month, and dividing the total of the resulting figures by the total number of barrels inspected in Florida during that month, thereby giving the proper relative value to each grade. The season average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville and Pensacola and dividing the total of these figures for the season by the total receipts for the season, thereby giving the months of heavy receipts and of low receipts their proper relative value.

3/ Wednesdays and Fridays closing Savannah prices were used for December, January and February for 1936-37 and 1937-38. Fridays prices were used for 1938-39, 1939-40, 1940-41, 1941-42 and 1942-43 when there was no quoted Saturday market.

Sources of data: Prices, Florida inspections and monthly receipts at Savannah, Jacksonville and Pensacola are taken from the NAVAL STORES REVIEW AND JOURNAL OF TRADE, DAILY MARKET REPORTS OF THE SAVANNAH EXCHANGE,

JACKSONVILLE AND PENSACOLA CHAMBERS OF COMMERCE. Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

TABLE 11 - TURPENTINE CUPS SOLD FOR SEASONS 1923-24 to 1943-44

A compilation of information furnished by the manufacturers of turpentine cups shows that a total of 4,253,000 cups was sold last winter and this spring for use in gathering the 1943-44 crop of naval stores.

Sales of new cups for the past 21 seasons were reported as follows:

1943-44	4,253,000	1932-33	3,620,000
1942-43	8,648,400	1931-32	1,085,000
1941-42	2,744,000	1930-31	11,178,800
1940-41	7,567,659	1929-30	24,488,760
1939-40	1,638,300	1928-29	12,589,000
1938-39	10,525,180	1927-28	32,310,000
1937-38	17,204,900	1926-27	20,500,000
1936-37	17,530,000	1925-26	10,059,000
1935-36	6,219,240	1924-25	13,249,000
1934-35	11,707,839	1923-24	24,828,500
1933-34	11,088,333		

ADDENDA

Additional information pertaining to naval stores may be obtained as follows:

For periods prior to 1942, for monthly, quarterly and annual reports on imports and exports of turpentine and rosin, address: Foreign Trade Statistics, Bureau of the Census, Department of Commerce, Washington, D. C. Price ten cents per copy.

For biennial census of the production of turpentine and rosin, address: Bureau of the Census, Department of Commerce, Washington, D. C.

For information on the southern forest survey showing turpentine timber resources, address: Southern Forest Experiment Station, New Orleans, La.

For information regarding the production, distribution, consumption and stocks of turpentine and rosin, address: Naval Stores Research Division, Southern Regional Research Laboratory, 2100 Robert E. Lee Blvd., New Orleans, La.

